

Aaren Z. Pan

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EDUCATION

The Pennsylvania State University

Bachelor of Science in Computer Science

University Park, PA

Anticipated Graduation: May 2028

EXPERIENCE

Software Development Engineer in Test Intern

Transmitio LLC

Jun. 2025 – Present

Remote

- Automated critical ERM workflows using **Python** and **Selenium**, reducing manual testing by **70%**
- Analyzed system behavior to identify and implement **10+ high-priority test cases**
- Authored detailed documentation for each test to support team reuse and future scaling
- Configured test scripts for containerized execution using **Docker** and GitLab CI/CD
- Collaborated via **GitLab**, contributing **10+ commits** and submitting multiple merge requests

Communications Chair

The Pennsylvania State University | FJSA

Mar. 2025 – Present

University Park, PA

- Manage various social media accounts such as Instagram, Discord, Linked and led further communications through GroupMe and WeChat
- Communicate with over **ten organizations** within Penn State and the Asian community to plan collaborative events
- Collaborate closely with club secretary and graphics designer to ensure communications runs smoothly

Software Developer

The Pennsylvania State University | HackPSU

Feb. 2025 – Present

University Park, PA

- Collaborated with a team of over ten developers to organize Penn State's largest semesterly hackathon
- Managed and developed software infrastructure to ensure a smooth experience for over **700 unique participants**
- Designed a webpage utilizing **TypeScript, HTML, Tailwind, NextJS 13, and Yarn**
- Built a **filter chaining system** for HackPSU's finance page, resulting in an **60% increase in searching efficiency**
- Contribute to **5+ pull requests**, resulting in a **20% increase in engagement** for the overall website

Restaurant Employee

Forbidden City Restaurant

Jan. 2017 – May 2023

Chattanooga, TN

- Managed customer payments and pick-up orders using the KwickPOS point-of-sale system
- Provided exceptional customer service by seating and serving **200+ customers** on a daily basis
- Collaborated with coworkers to maintain a clean, organized, and sanitary dining environment
- Assisted waiters and waitresses by bussing tables during rush hours

PROJECTS

Quackademic Notes | Python, Javascript, HTML/CSS, Flask

Oct. 2024

- Developed a full-stack web note-taking application using **Python and Flask** as the backend
- Built a collaborative UI with light/dark mode toggle using **JavaScript, HTML/CSS**
- Implemented **OpenAI API** to incorporate an assistant gen-AI helper for users

Elevens, Card Game | Java, Eclipse

Apr. 2024

- Programmed a card game using Java and designed an interactive GUI

Shoe Warehouse/Inventory | Java, Eclipse

Feb. 2024

- Created a Java program to sort shoes by type, style, size, and assign catalog numbers
- Handled user input with Java's Scanner class

TECHNICAL SKILLS

Languages: Python, Javascript, TypeScript, HTML/CSS, Java

Frameworks: Flask, Next.js

Developer Tools: Git, GitHub, GitLab, Firebase, VS Code, BlueJ, Eclipse, Docker, Yarn, pnpm, npm, Vercel, Selenium

Libraries: React Query, React Table, React Hook Form, Material UI, Tailwind CSS